

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 5

**Complete if Known**

Application Number	10/544,154
Filing Date	August 1, 2005
First Named Inventor	Francis X. Smith
Art Unit	1615
Examiner Name	Carlos A. Azpuru
Attorney Docket Number	3009099 US01

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No.	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
	1	US	3,429,576	02-25-1969	Yoshiaki Ikeda	
	2	US-	3,910,296	10-07-1975	Karageozian et al.	
	3	US-	3,943,251	03-09-1976	Medow et al.	
	4	US	4,022,834	05-10-1977	Gundersen	
	5	US	4,046,706	09-06-1977	Krezanoski	
	6	US-	4,136,173	01-23-1979	Pranoda et al.	
	7	US-	4,136,176	01-23-1979	Rideout et al.	
	8	US	4,136,534	01-30-1979	Villa	
	9	US-	4,209,817	06-24-1980	McGinnis	
	10	US-	4,361,458	11-30-1982	Grajek et al.	
	11	US-	4,361,649	11-30-1982	Kung et al.	
	12	US-	4,394,381	07-19-1983	Sherrill	
	13	US-	4,439,417	03-27-1985	Matsunaga et al.	
	14	US-	4,525,346	06-25-1985	Stark	
	15	US-	4,599,360	07-08-1986	Fukami et al.	
	16	US-	4,748,189	05-31-1988	Su et al.	
	17	US-	4,783,488	11-08-1988	Ogunbiyi et al.	
	18	US-	4,820,352	04-11-1989	Reidhammer et al.	
	19	US-	4,826,876	05-02-1989	Yamamoto et al.	
	20	US- Re.	32,672	06-24-1986	Huth et al.	

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Examiner Initials <sup>1</sup>	Cite No. <sup>2</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)					
	21	GB	1,398,058	05-15-1973	Farmaceutisk		
	22	JP	58010517 A	01-21-1983	Santen Pharmaceutical		
	23	WO	91/01763	02-21-1991	Schering Corp.		
	24	WO	92/04806	04-02-1992	Abraham et al.		
	25	WO	92/11876	07-23-1992	Schering Corp.		
	26	WO	92/21049	11-26-1992	Allergan, Inc.		
	27	WO	94/00160	01-06-1994	Allergan, Inc.		
	28	WO	95/00176	01-06-1995	Allergan, Inc.		
	29	WO	96/06603	03-07-1996	Alcon Laboratories		

Examiner Signature	/Tristan J. Mahyera/	Date Considered	12/23/2008
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Sheet 2

of

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First Named Inventor	Francis X. Smith
Art Unit	1615
Examiner Name	Carlos A. Azpuru
Attorney Docket Number	3009099 US01

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		Number - Kind Code <sup>2</sup> (if known)			
	30	US- 4,836,956	06-05-1989	Ogunbiyi et al.	
	31	US- 4,891,423	01-02-1990	Stocker	
	32	US- 4,804,454	01-16-1990	Paradies	
	33	US- 4,588,710	01-29-1991	Olney	
	34	US- 4,997,626	03-05-1991	Dziabo et al.	
	35	US- 5,030,721	07-09-1991	Kasai et al.	
	36	US- 5,078,998	01-07-1992	Ripley et al.	
	37	US- 5,089,261	02-18-1992	Nitecki et al.	
	38	US- 5,122,354	06-16-1992	Tsuj et al.	
	39	US- 5,174,872	12-29-1992	Scott	
	40	US- 5,175,161	12-29-1992	Yokoyama et al.	
	41	US- 5,182,258	01-26-1993	Chou	
	42	US- 5,192,535	03-09-1993	Davis et al.	
	43	US- 5,279,673	01-18-1994	Dziabo et al.	
	44	US- 5,300,296	04-05-1994	Holly et al.	
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	47	US- 5,380,303	01-10-1995	Holly et al.	
	48	US- 5,439,572	08-08-1995	Parkow	
	49	US- 5,449,658	09-12-1995	Unhoch et al.	

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		Country Code <sup>3</sup> - Number <sup>2</sup> - Kind Code <sup>4</sup> (if known)					
	50	WO	97/34834	06-25-1997	Bio-Lab, Inc.		
	51	WO	97/41215	11-06-1997	Nova Nordisk A/S		
	52	EP	0 812 592 A1	12-17-1997	Kikkoman Corp.		
	53	JP	10-108899	04-28-1998	Tomey Technol Corp.		T
	54	RU	2127100	03-10-1999	Borzenko et al.		T
	55	WO	99/23857	05-20-1999	Nova Nordisk A/S		
	56	WO	99/37295	07-29-1999	Deviliez et al.		
	57	JP	2000016066 A	01-15-2000	Mitsubishi Gas		
	58	WO	00/07634	02-17-2000	NDT, Inc.		

Examiner Signature

/Tristan J. Mahyera/

Date Considered

12/23/2008

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First Named Inventor	Francis X. Smith
Art Unit	1615
Examiner Name	Carlos A. Azpuru
Attorney Docket Number	3009099 US01

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	59	US- 5,494,937		02-27-1996	Asgharian et al.	
	60	US- 5,547,990		08-20-1996	Hall et al.	
	61	US- 5,691,773		01-07-1997	Grunberger et al.	
	62	US- 5,607,681		03-04-1997	Galley et al.	
	63	US- 5,624,958		04-29-1997	Isaacs et al.	
	64	US- 5,661,130		08-26-1997	Meezan et al.	
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	66	US- 5,691,379		11-25-1997	Ulrich et al.	
	67	US- 5,718,695		02-17-1998	Asgharian et al.	
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	70	US- 5,780,450		07-14-1998	Shade	
	71	US- 5,807,585		09-15-1998	Martin et al.	
	72	US- 5,869,468		02-09-1999	Freeman	
	73	US- 5,885,950		03-30-1999	Potini et al.	
	74	US- 5,891,733		04-06-1999	Inoue	
	75	US- 5,925,371		07-20-1999	Ishiwatari	
	76	US- 5,942,218		08-24-1999	Kirschner et al.	
	77	US- 5,945,446		08-31-1999	Laub	
	78	US- 5,925,320		09-14-1999	Davidson et al.	

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		Country Code <sup>3</sup>	Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	79	WO	00/11514	03-02-2000	Senju Pharmaceutical		
	80	EP	0 923 950 A3	12-27-2000	Tomey Corporation		

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	81	US- 5,965,736	10-12-1999	Akhavan-Tafti	
	82	US- 5,968,904	10-19-1999	Julian et al.	
	83	US- 6,001,806	12-14-1999	Jaynes et al.	
	84	US- 6,056,920	05-02-2000	Lepre	
	85	US- 6,117,869	09-12-2000	Picard et al.	
	86	US- 6,121,377	09-19-2000	Tsuzuki et al.	
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	90	US- 6,162,393	12-19-2000	De Bruijn et al.	
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	94	US- 6,432,893 B1	08-13-2002	Dov et al.	
	95	US- 6,617,291 B1	09-09-2003	Smith	
	96	US- 6,624,203 B1	09-23-2003	Smith	
	97	US- 2003-0190258 A1	10-09-2003	Smith	
	98	US- 2005-0042198 A1	02-24-2005	Smith et al.	
		US-			
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[illegible]

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	99	BALLWEBER et al., "In Vitro Microbicidal Activities of Cecropin Peptides D2A21 and D4E1 and Gel Formulations Containing 0.1 to 2% D2A21 against <i>Chlamydia trachomatis</i> ", Antimicrobial Agents and Chemotherapy, Jan. 2002, pp 34-41, Vol. 46, No. 1	
	100	CREIGHTON, THOMAS E., "Proteins: Structures and Molecular Properties", W.H. Freeman & Co., New York, 1984, pp 179-182	
	101	DELUCCA et al., "Fungicidal Properties, sterol binding, and proteolytic resistance of the synthetic peptide D4E1", Canadian Journal of Microbiology, June 1998, pp 514-520, Vol. 44, No. 6	
	102	KEAY, L., MOSER, P.W. and WILDO, B.S., "Proteases of the Genus <i>Bacillus</i> . II. Alkaline Proteases", Biotechnology & Bioengineering, March 1970, pp 213-249, Vol. XII	
	103	KEAY, L. and MOSER, P.W., "Differentiation of Alkaline Proteases from <i>Bacillus</i> Species", Biochemical and Biophysical Research Comm, 1969, pp 600-604, Vol. 34, No. 5	

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